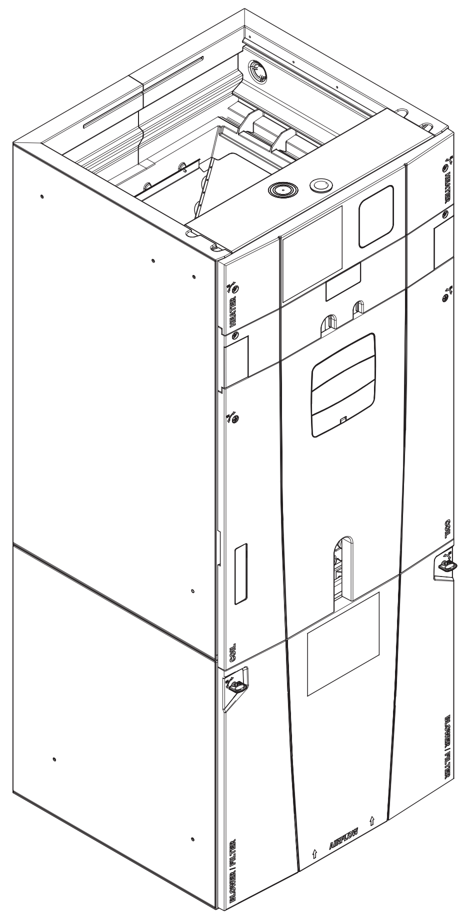
Variable Speed Modular Multi-position Air Handlers 2-5 Tons

TAM7A0A24H21SB
TAM7A0B30H21SB
TAM7A0C36H31SB
TAM7A0C42H31SB
TAM7A0C48H41SB
TAM7A0C60H51SB
TAM7B0C60H51SA



PUB. NO. 22-1847-03

Features and Benefits

- Unique cabinet design
  - 2% or less air leakage
  - Precision applied - durable door seals
  - Specially designed air seal around refrigerant, condensate and conduit connections
  - Double wall foamed cabinet system
  - R-4.2 Insulating Value (Avg Insulating Value R-8.2)
  - No loose fiber design
  - Smooth cleanable interior design
  - Sweat eliminating design
  - Composite foamed cabinet doors
  - Water proof cabinet design
  - Integrated horizontal drain pans
  - Modular cabinet
- Multi-position up/down flow horizontal left/right
- Side return option (sold as accessory)
- Control board protection pocket built into cabinet wall
- Premarked Conduit Connection Locations
- Alert port to view control board codes without door removal
- Alert code notification
- Low voltage terminal connection point
- Phillips head door fasteners
- **Vortica®** blower with polarized plug connections and integrated slide deck for easy removal
- Aluminum coil with integrated slide deck for easy removal and polarized plug connections on coil EEV
- Patented enhanced coil fin
- Electronic Expansion Valve (EEV) with low ambient and low superheat compressor protection
- Dual refrigerant compatible as shipped
- Slide in electric heaters with polarized plug connections (sold as accessory)
- Slide in hot water coils with polarized plug connections (sold as accessory)
- UVC light kit with safety switch and polarized plug connections (sold as accessory)
- Labeled panels and connections
- Molded in 1" standard filter rail
- Variable speed ECM motor
- Soft start fan motor operation
- **Comfort R™** mode
- Built in fan delay modes
- Maximum width of 23.5"
- Compact 20.8" depth with doors removed
- Fused 24v power
- Safety door switch
- **5 year warranty**
- **10-year warranty registered**
- **Optional extended warranty available**

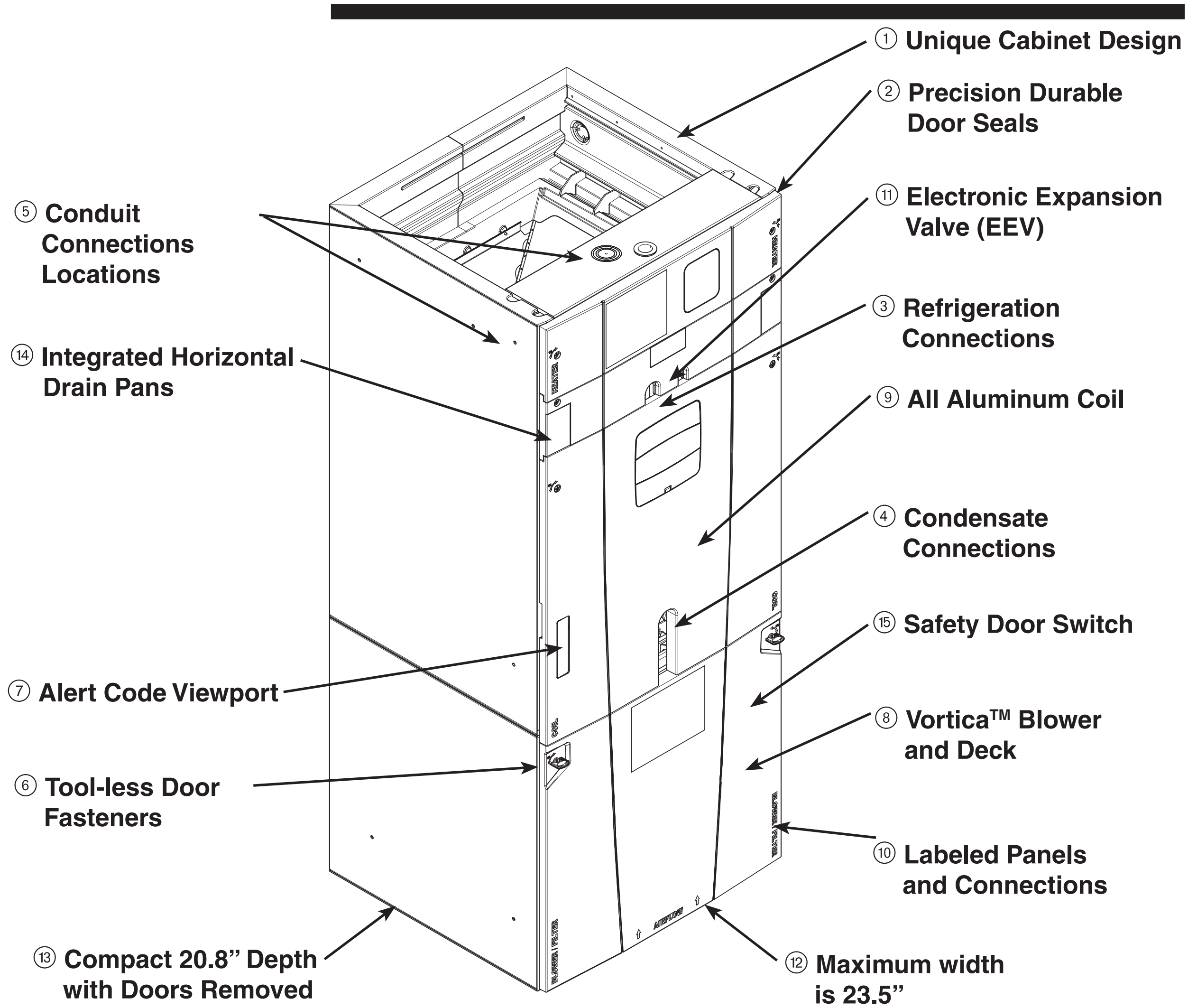
Contents

Optional Equipment

OPTIONAL EQUIPMENT FOR AIR HANDLERS

Accessory Number	Description	Fits Cabinet Size
BAYEVAC05BK1AA	Electric Heater, 5kW, Breaker, RS-485 Control, 1 Ph	A to C
BAYEVAC05LG1AA	Electric Heater, 5kW, Lugs, RS-485 Control, 1 Ph	A to C
BAYEVAC08BK1AA	Electric Heater, 8kW, Breaker, RS-485 Control, 1 Ph	A to C
BAYEVAC08LG1AA	Electric Heater, 8kW, Lugs, RS-485 Control, 1 Ph	A to C
BAYEVAC10BK1AA	Electric Heater, 10kW, Breaker, RS-485 Control, 1 Ph	A to C
BAYEVAC10LG1AA	Electric Heater, 10kW, Lugs, RS-485 Control, 1 Ph	A to C
BAYEVBC15BK1AA	Electric Heater, 15kW, Breaker, RS-485 Control, 1 Ph	B to C
BAYEVBC20BK1AA	Electric Heater, 20kW, Breaker, RS-485 Control, 1 Ph	C
BAYEVCC25BK1AA	Electric Heater, 25kW, Breaker, RS-485 Control, 1 Ph	C
BAYEVAC10LG3AA	Electric Heater, 10kW, Lugs, RS-485 Control, 3 Ph	A to C
BAYEVBC15LG3AA	Electric Heater, 15kW, Lugs, RS-485 Control, 3 Ph	B to C
BAYSUPFLGAA	Supply Duct Flange A	A
BAYSUPFLGBA	Supply Duct Flange B	B
BAYSUPFLGCA	Supply Duct Flange C	C
BAYRETFLGAA	Return Duct Flange A	A
BAYRETFLGB	Return Duct Flange B	B
BAYRETFLGCA	Return Duct Flange C	C
BAYSRKIT100A	Side Return Kit	A to C
TASB175SB	Plenum Stand with integrated sound baffle A	A
TASB215SB	Plenum Stand with integrated sound baffle B	B
TASB235SB	Plenum Stand with integrated sound baffle C	C
MITISRKIT01A	Side Return Kit with filter	A to C
BAYICSKIT01A	Internal Condensate Switch Kit	A to C
BAYHHKIT001A	Horizontal Hanger Kit	A to C
BAYUVCLK001A	UVC Lights	A to C
BAYLVKIT100A	Low Voltage Conduit Entry Kit	A to C
BAYSPEKT200A	Single Power Entry Kit	A to C
BAYWVAA05SC1AA	Hydronic Coil - 50,000 BTUH - Slide-in with control	A to A
BAYWVBB07SC1AA	Hydronic Coil - 70,000 BTUH - Slide-in with control	B to B
BAYWVCC08SC1AA	Hydronic Coil - 80,000 BTUH - Slide-in with control	C to C
BAYWACC11SC1AA	Hydronic Coil - 100,000 BTUH - Add-on	C to C
BAYWVBRD485A	RS-485 Control for BAYWACC11SC1AA	C to C

Unique Cabinet Design Features and Benefits



① **Unique Cabinet Design**
- Double wall foamed cabinet system
- Waterproof Cabinet Design
- R-4.2 Insulating Value (Avg Insulating Value R-8.2)
- Composite Foamed Cabinet Doors
- Sweat Eliminating Cabinet Design
- Loose Fiber Eliminating Design
- Smooth Cleanable Cabinet Design

② **Precision Durable Door Seals**

③ **Refrigeration Connections**

④ **Condensate Connections**

⑤ **Conduit Connection Locations** - Dimples or target to mark Conduit Connection locations on Left, Right, and Top

⑥ **Tool-less Door Fasteners**

⑦ **Alert Code Viewport**
- Alert Codes can be Viewed Without Door Removal
- Control Protection Pocket

⑧ **Vortica™ Blower and Deck** - Polarized Plug on Blower

⑨ **All Aluminum Coil**
- Integrated Slide Deck for Easy Removal
- Polarized Plug connections on Coil EEV
- Patented Enhanced Coil Fin

⑩ **Labeled Panels and Connections**

⑪ **Electronic Expansion Valve (EEV)**
- Low Ambient and Low Superheat Protection
- Dual Refrigerant Compatible as Shipped

⑫ **Maximum width is 23.5”**

⑬ **Compact 20.8” Depth with Doors Removed**

⑭ **Integrated Horizontal Drain Pans**

⑮ **Safety Door Switch** - Fused 24V Power

⑯ **Modular Cabinet**

General Data

PRODUCT SPECIFICATIONS

MODEL	TAM7A0A24H21SB	TAM7A0B30H21SB	TAM7A0C36H31SB
RATED VOLTS/PH/HZ.	200-230/1/60	200-230/1/60	200-230/1/60
RATINGS ①	See O.D. Specifications	See O.D. Specifications	See O.D. Specifications
INDOOR COIL — Type	Plate Fin	Plate Fin	Plate Fin
Rows — F.P.I.	3 - 14	3 - 14	3 - 14
Face Area (sq. ft.)	3.67	5.04	5.50
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	EEV	EEV	EEV
Drain Conn. Size (in.) ②	3/4 NPT	3/4 NPT	3/4 NPT
DUCT CONNECTIONS	See Outline Drawing	See Outline Drawing	See Outline Drawing
INDOOR FAN — Type	Centrifugal	Centrifugal	Centrifugal
Diameter-Width (In.)	11 X 8	11 X 10	11 X 10
No. Used	1	1	1
Drive - No. Speeds	Direct - Variable	Direct - Variable	Direct - Variable
CFM vs. in. w.g.	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
No. Motors — H.P.	1 - 1/2	1 - 1/2	1 - 1/2
Motor Speed R.P.M.	Variable ECM	Variable ECM	Variable ECM
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps	3.0	3.0	3.0
FILTER			
Filter Furnished?	No	No	No
Type Recommended	Throwaway	Throwaway	Throwaway
No.-Size-Thickness	1 - 16 X 20 - 1 in.	1 - 20 X 20 - 1 in.	1 - 22 X 20 - 1 in.
REFRIGERANT	**R-410A**	**R-410A**	**R-410A**
Ref. Line Connections	Brazed	Brazed	Brazed
Coupling or Conn. Size — in. Gas	3/4	3/4	7/8
Coupling or Conn. Size — in. Liq.	3/8	3/8	3/8
DIMENSIONS	H x W x D	H x W x D	H x W x D
Crated (In.)	51-1/2 x 19 x 23-1/2	56-1/2 x 23 x 23-1/2	57-1/4 x 25-1/4 x 23-1/2
Uncrated	49-7/8 x 17-1/2 x 21-3/4	55-11/16 x 21-5/16 x 21-3/4	56-15/16 x 23-1/2 x 21-3/4
WEIGHT			
Shipping (Lbs.) / Net (Lbs.)	127/116	150/138	157/146

PRODUCT SPECIFICATIONS

MODEL	TAM7A0C42H31SB	TAM7A0C48H41SB	TAM7A0C60H51SB,TAM7B0C60H51SA
RATED VOLTS/PH/HZ.	200-230/1/60	200-230/1/60	200-230/1/60
RATINGS ①	See O.D. Specifications	See O.D. Specifications	See O.D. Specifications
INDOOR COIL — Type	Plate Fin	Plate Fin	Plate Fin
Rows — F.P.I.	4 - 14	4 - 14	4 - 14
Face Area (sq. ft.)	5.04	5.96	5.96
Tube (in.)	3/8	3/8	3/8
Refrigerant Control	EEV	EEV	EEV
Drain Conn. Size (in.) ②	3/4 NPT	3/4 NPT	3/4 NPT
DUCT CONNECTIONS	See Outline Drawing	See Outline Drawing	See Outline Drawing
INDOOR FAN — Type	Centrifugal	Centrifugal	Centrifugal
Diameter-Width (In.)	11 X 10	11 X 10	11 X 10
No. Used	1	1	1
Drive - No. Speeds	Direct - Variable	Direct - Variable	Direct - Variable
CFM vs. in. w.g.	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
No. Motors — H.P.	1 - 1/2	1 - 3/4	1 - 1
Motor Speed R.P.M.	Variable ECM	Variable ECM	Variable ECM
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps	3.0	4.2	5.5
FILTER			
Filter Furnished?	No	No	No
Type Recommended	Throwaway	Throwaway	Throwaway
No.-Size-Thickness	1 - 22 X 20 - 1 in.	1 - 22 X 20 - 1 in.	1 - 22 X 20 - 1 in.
REFRIGERANT	**R-410A**	**R-410A**	**R-410A**
Ref. Line Connections	Brazed	Brazed	Brazed
Coupling or Conn. Size — in. Gas	7/8	7/8	7/8
Coupling or Conn. Size — in. Liq.	3/8	3/8	3/8
DIMENSIONS	H x W x D	H x W x D	H x W x D
Crated (In.)	57-1/4 x 25-1/4 x 23-1/2	62-3/4 x 25-1/4 x 23-1/2	62-3/4 x 25-1/4 x 23-1/2
Uncrated	56-15/16 x 23-1/2 x 21-3/4	61-3/4 x 23-1/2 x 21-3/4	61-11/16 x 23-1/2 x 21-3/4
WEIGHT			
Shipping (Lbs.) / Net (Lbs.)	162/151	175/163	175/163

① These Air Handlers are AHRI. certified with various Split System Air Conditioners and Heat Pumps (AHRI STANDARD 210/240). Refer to the Split System Outdoor Unit Product Data Guides for performance data.

② 3/4" Male Plastic Pipe (Ref.: ASTM 1785-76)

TAM7A0A24 AIRFLOW PERFORMANCE
CONSTANT CFM MODE / CONSTANT TORQUE MODE

OUTDOOR MULTIPLIER (TONS)	COOLING AIRFLOW SETTING	Airflow Power	EXTERNAL STATIC PRESSURE					HEATING AIRFLOW SETTING	Airflow Power	EXTERNAL STATIC PRESSURE				
			0.1	0.3	0.5	0.7	0.9			0.1	0.3	0.5	0.7	0.9
1.5 tons	360 CFM/ton	CFM Watts	542 / 652 38 / 59	547 / 559 67 / 71	548 / 407 101 / 78	547 / NA 137 / NA	541 / NA 175 / NA	390 CFM/ton	CFM Watts	586 46	599 80	600 115	599 153	595 192
	380 CFM/ton	CFM Watts	574 / 679 43 / 65	583 / 593 75 / 78	587 / 464 110 / 87	588 / 167 148 / 94	581 / NA 185 / NA	410 CFM/ton	CFM Watts	618 53	633 88	636 124	637 163	629 202
	400 CFM/ton	CFM Watts	605 / 705 49 / 71	618 / 626 82 / 85	624 / 513 119 / 96	625 / 325 158 / 101	618 / NA 196 / NA	430 CFM/ton	CFM Watts	650 59	665 96	669 134	672 174	660 212
	420 CFM/ton	CFM Watts	636 / 731 55 / 78	651 / 658 90 / 93	659 / 556 128 / 105	660 / 406 168 / 112	653 / NA 207 / NA	450 CFM/ton	CFM Watts	681 66	696 104	703 144	704 185	696 225
2 tons †	360 CFM/ton	CFM Watts	723 / 809 75 / 101	743 / 746 115 / 118	754 / 666 158 / 133	756 / 563 201 / 144	748 / 428 242 / 153	390 CFM/ton	CFM Watts	780 94	800 137	809 182	811 227	802 268
	380 CFM/ton	CFM Watts	761 / 843 86 / 113	782 / 784 128 / 131	793 / 710 172 / 146	796 / 617 216 / 159	788 / 500 259 / 168	410 CFM/ton	CFM Watts	818 106	838 151	848 198	851 244	842 287
	400 † CFM/ton	CFM Watts	799 / 877 97 / 125	820 / 821 141 / 144	832 / 751 187 / 161	835 / 666 233 / 174	827 / 561 276 / 183	430 CFM/ton	CFM Watts	856 119	876 167	887 215	889 262	881 307
	420 CFM/ton	CFM Watts	836 / 911 109 / 139	858 / 858 155 / 158	870 / 792 203 / 175	873 /712 250 / 189	866 / 615 294 / 199	450 CFM/ton	CFM Watts	894 134	913 183	925 233	927 282	920 327
2.5 tons	360 CFM/ton	CFM Watts	892 / 979 130 / 168	914 / 930 179 / 189	927 / 869 229 / 207	930 / 796 278 / 222	923 / 709 324 / 232	390 CFM/ton	CFM Watts	964 164	986 218	997 271	1000 322	992 370
	380 CFM/ton	CFM Watts	939 / 1024 149 / 190	962 / 976 201 / 211	974 / 918 253 / 230	978 / 849 304 / 244	971 / 766 351 / 255	410 CFM/ton	CFM Watts	1013 188	1034 244	1045 299	1049 353	1040 400
	400 CFM/ton	CFM Watts	986 / 1070 170 / 215	1009 / 1023 225 / 236	1022 / 967 279 / 255	1026 / 901 332 / 270	1019 / 821 380 / 280	430 CFM/ton	CFM Watts	1063 214	1083 273	1095 331	1097 385	1089 434
	420 CFM/ton	CFM Watts	1035 / 1118 194 / 242	1058 / 1072 251 / 264	1071 / 1018 308 / 282	1074 / 953 362 / 297	1066 / 877 411 / 307	450 CFM/ton	CFM Watts	1114 243	1135 305	1145 365	1145 420	1135 469
3 tons	360 CFM/ton	CFM Watts	1065 / 1148 209 / 261	1088 / 1102 269 / 282	1101 / 1048 327 / 301	1103 / 985 382 / 315	1095 / 910 431 / 325	390 CFM/ton	CFM Watts	1160 272	1181 337	1190 397	1189 453	1157 486
	380 CFM/ton	CFM Watts	1126 / 1209 244 / 301	1149 / 1164 307 / 322	1160 / 1111 367 / 341	1161 / 1050 423 / 355	1151 / 978 472 / 364	410 CFM/ton	CFM Watts	1225 317	1244 384	1249 444	1230 486	1146 477
	400 CFM/ton	CFM Watts	1190 / 1271 285 / 347	1211 / 1227 350 / 368	1220 / 1175 412 / 386	1218 / 1115 467 / 399	1164 / 1046 483 / 408	430 CFM/ton	CFM Watts	1291 368	1305 434	1298 486	1217 476	1135 468
	420 CFM/ton	CFM Watts	1255 / 1334 331 / 397	1273 / 1289 397 / 418	1278 / 1239 459 / 435	1237 / 1180 483 / 448	1151 / 1113 475 / 455	450 CFM/ton	CFM Watts	1355 422	1361 485	1285 475	1206 467	1124 460

NOTES:
1. † Factory Setting
2. Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.
3. Torque mode will reduce airflow when static is above approximately 0.3" water column.
4. All heating modes default to Constant CFM
5. Cooling airflow values are with wet coil, no filter

Minimum Heating Airflow Settings

MINIMUM HEATER AIRFLOW CFM - HEATER MATRIX							
MODEL NO.	BAYEVAC05BK1AA BAYEVAC05LG1AA	BAYEVAC08BK1AA BAYEVAC08LG1AA	BAYEVAC10BK1AA BAYEVAC10LG1AA	BAYEVAC10LG3AA	BAYEVCB15LG3AA	BAYEVBC15BK1AA	BAYEVBC20BK1AA
TAM7A0A24H21SB	638/713	638/900	675 ① /900	600/713	--	--	--

WITHOUT HEAT PUMP / WITH HP
SEE AIR HANDLER NAMEPLATE FOR APPROVED COMBINATIONS
① Heater not qualified for 208V when installed in horizontal left position without Heat Pump

NOTE: Minimum auxiliary heating airflow is automatically configured by the air handler model and the auxiliary heater model number. This is not field adjustable.

TAM7A0B30 AIRFLOW PERFORMANCE
CONSTANT CFM MODE / CONSTANT TORQUE MODE

OUTDOOR MULTIPLIER (TONS)	COOLING AIRFLOW SETTING	Airflow Power	EXTERNAL STATIC PRESSURE					HEATING AIRFLOW SETTING	Airflow Power	EXTERNAL STATIC PRESSURE				
			0.1	0.3	0.5	0.7	0.9			0.1	0.3	0.5	0.7	0.9
1.5 tons	360 CFM/ton	CFM Watts	591 / 685 30 / 41	560 / 538 58 / 56	533 / 299 87 / 63	509 / NA 118 / NA	482 / NA 150 / NA	390 CFM/ton	CFM Watts	630 35	609 65	588 96	566 128	540 161
	380 CFM/ton	CFM Watts	618 / 711 33 / 45	593 / 572 62 / 60	569 / 359 93 / 68	547 / NA 125 / NA	524 / NA 158 / NA	410 CFM/ton	CFM Watts	657 38	639 70	621 102	601 136	578 169
	400 CFM/ton	CFM Watts	645 / 738 37 / 49	624 / 605 67 / 65	604 / 410 99 / 73	584 / NA 132 / NA	562 / NA 166 / NA	430 CFM/ton	CFM Watts	683 42	669 75	653 109	636 143	614 177
	420 CFM/ton	CFM Watts	659 / 751 38 / 50	639 / 621 69 / 67	620 / 434 102 / 76	602 / NA 136 / NA	581 / NA 170 / NA	450 CFM/ton	CFM Watts	709 45	698 80	685 115	669 151	649 186
2 tons †	360 CFM/ton	CFM Watts	750 / 840 51 / 66	741 / 726 87 / 85	731 / 575 125 / 96	719 / 344 163 / 99	704 / NA 200 / NA	390 CFM/ton	CFM Watts	800 60	797 99	791 139	781 180	766 219
	380 CFM/ton	CFM Watts	784 / 874 57 / 72	779 / 764 95 / 92	771 / 622 134 / 104	762 / 419 174 / 107	748 / NA 213 / NA	410 CFM/ton	CFM Watts	834 66	834 107	830 150	822 192	810 233
	400 † CFM/ton	CFM Watts	818 / 908 62 / 79	816 / 802 103 / 100	811 / 667 144 / 113	803 / 484 186 / 117	792 / NA 227 / NA	430 CFM/ton	CFM Watts	868 73	871 116	869 161	864 205	853 248
	420 CFM/ton	CFM Watts	835 / 924 66 / 83	834 / 820 107 / 104	831 / 689 150 / 118	824 / 513 192 / 122	813 / 180 234 / 132	450 CFM/ton	CFM Watts	902 80	908 126	908 172	905 219	895 263
2.5 tons	360 CFM/ton	CFM Watts	904 / 1017 80 / 105	908 / 921 125 / 129	909 / 804 172 / 144	907 / 658 219 / 150	898 / 454 264 / 148	390 CFM/ton	CFM Watts	967 95	977 145	982 196	982 247	974 295
	380 CFM/ton	CFM Watts	947 / 1061 89 / 117	955 / 968 138 / 142	959 / 856 188 / 158	958 / 718 237 / 165	951 / 538 285 / 163	410 CFM/ton	CFM Watts	1012 106	1025 160	1033 214	1034 268	1027 318
	400 CFM/ton	CFM Watts	991 / 1106 100 / 131	1002 / 1016 152 / 156	1009 / 908 205 / 174	1010 / 779 257 / 182	1003 / 614 307 / 180	430 CFM/ton	CFM Watts	1057 119	1074 176	1084 234	1087 290	1078 342
	420 CFM/ton	CFM Watts	1013 / 1129 106 / 138	1026 / 1040 159 / 164	1034 / 934 214 / 182	1036 / 808 268 / 190	1029 / 650 318 / 189	450 CFM/ton	CFM Watts	1104 133	1124 194	1136 255	1139 314	1128 366
3 tons	360 CFM/ton	CFM Watts	1063 / 1182 120 / 156	1080 / 1095 177 / 182	1091 / 993 236 / 201	1094 / 873 292 / 211	1085 / 727 344 / 210	390 CFM/ton	CFM Watts	1147 147	1170 211	1184 276	1185 336	1170 389
	380 CFM/ton	CFM Watts	1120 / 1241 137 / 178	1140 / 1157 199 / 205	1153 / 1059 262 / 225	1156 / 945 321 / 235	1444 / 809 374 / 236	410 CFM/ton	CFM Watts	1208 168	1233 238	1247 306	1245 367	1223 418
	400 CFM/ton	CFM Watts	1179 / 1304 157 / 203	1202 / 1221 224 / 231	1216 / 1127 290 / 252	1216 / 1018 351 / 263	1198 / 890 403 / 265	430 CFM/ton	CFM Watts	1271 193	1298 267	1309 337	1300 398	1271 446
	420 CFM/ton	CFM Watts	1210 / 1337 168 / 217	1233 / 1255 237 / 246	1247 / 1162 305 / 267	1245 / 1055 306 / 279	1224 / 931 417 / 281	450 CFM/ton	CFM Watts	1338 221	1363 299	1368 369	1350 427	1314 472

NOTES:
1. † Factory Setting
2. Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.
3. Torque mode will reduce airflow when static is above approximately 0.35" water column.
4. All heating modes default to Constant CFM
5. Cooling airflow values are with wet coil, no filter

Minimum Heating Airflow Settings

MINIMUM HEATER AIRFLOW CFM - HEATER MATRIX							
MODEL NO.	BAYEVAC05BK1AA BAYEVAC05LG1AA	BAYEVAC08BK1AA BAYEVAC08LG1AA	BAYEVAC10BK1AA BAYEVAC10LG1AA	BAYEVAC10LG3AA	BAYEVCB15LG3AA	BAYEVBC15BK1AA	BAYEVBC20BK1AA
TAM7A0B30H21SB	723/808	723/1020	765/1020	680/808	765/1063	850/1105	--
WITHOUT HEAT PUMP / WITH HP SEE AIR HANDLER NAMEPLATE FOR APPROVED COMBINATIONS							

NOTE: Minimum auxiliary heating airflow is automatically configured by the air handler model and the auxiliary heater model number. This is not field adjustable.

TAM7A0C36 AIRFLOW PERFORMANCE
CONSTANT CFM MODE / CONSTANT TORQUE MODE

OUTDOOR MULTIPLIER (TONS)	COOLING AIRFLOW SETTING	Airflow Power	EXTERNAL STATIC PRESSURE					HEATING AIRFLOW SETTING	Airflow Power	EXTERNAL STATIC PRESSURE				
			0.1	0.3	0.5	0.7	0.9			0.1	0.3	0.5	0.7	0.9
2 tons	350 CFM/ton	CFM Watts	724 / 858 44 / 63	704 / 706 77 / 77	694 / 530 111 / 85	695 / 297 148 / 90	698 / 19 185 / 163	400 CFM/ton	CFM Watts	813 57	797 94	794 133	799 174	806 215
	370 CFM/ton	CFM Watts	759 / 892 49 / 69	744 / 747 84 / 84	738 / 585 120 / 93	740 / 387 158 / 98	742 / 84 197 / 135	420 CFM/ton	CFM Watts	849 63	837 102	835 142	841 185	849 228
	390 CFM/ton	CFM Watts	795 / 924 54 / 75	784 / 787 91 / 91	780 / 635 129 / 102	783 / 460 169 / 107	786 / 213 209 / 120	440 CFM/ton	CFM Watts	884 69	876 110	876 153	883 197	891 242
	410 CFM/ton	CFM Watts	830 / 957 60 / 82	823 / 826 99 / 99	822 / 683 139 / 111	824 / 524 180 / 117	827 / 329 222 / 123	450 CFM/ton	CFM Watts	902 72	895 114	897 158	902 203	912 249
2.5 tons	350 CFM/ton	CFM Watts	879 / 1026 68 / 97	876 / 905 110 / 116	877 / 776 153 / 130	881 / 639 197 / 138	884 / 488 240 / 143	400 CFM/ton	CFM Watts	992 91	991 138	998 188	1005 237	1014 287
	370 CFM/ton	CFM Watts	923 / 1067 77 / 107	924 / 952 121 / 127	927 / 830 167 / 142	932 / 702 213 / 151	936 / 565 258 / 157	420 CFM/ton	CFM Watts	1036 101	1040 152	1048 204	1057 256	1064 307
	390 CFM/ton	CFM Watts	968 / 1110 86 / 118	971 / 999 133 / 139	977 / 883 181 / 155	983 / 762 230 / 166	987 / 634 277 / 172	440 CFM/ton	CFM Watts	1081 113	1089 167	1099 221	1110 277	1116 330
	410 CFM/ton	CFM Watts	1012 / 1153 96 / 130	1020 / 1047 146 / 153	1028 / 935 197 / 170	1034 / 820 248 / 181	1039 / 700 298 / 187	450 CFM/ton	CFM Watts	1105 119	1113 174	1125 231	1136 287	1141 341
3 tons †	350 CFM/ton	CFM Watts	1036 / 1175 102 / 137	1044 / 1070 153 / 160	1053 / 961 206 / 177	1060 / 848 257 / 189	1064 / 731 308 / 196	400 CFM/ton	CFM Watts	1175 140	1189 200	1203 261	1214 321	1215 377
	370 † CFM/ton	CFM Watts	1090 / 1229 116 / 154	1102 / 1129 171 / 178	1114 / 1024 227 / 196	1122 / 916 282 / 209	1123 / 805 334 / 217	420 CFM/ton	CFM Watts	1234 159	1251 223	1267 288	1275 351	1272 406
	390 CFM/ton	CFM Watts	1145 / 1285 132 / 173	1161 / 1188 191 / 198	1176 / 1087 251 / 218	1184 / 984 309 / 231	1184 / 877 363 / 240	440 CFM/ton	CFM Watts	1295 180	1315 250	1331 318	1335 381	1325 435
	410 CFM/ton	CFM Watts	1204 / 1343 150 / 195	1223 / 1249 213 / 221	1238 / 1152 277 / 241	1246 / 1051 337 / 256	1242 / 948 391 / 264	450 CFM/ton	CFM Watts	1327 192	1348 264	1362 264	1364 396	1350 449
3.5 tons	350 CFM/ton	CFM Watts	1199 / 1338 149 / 193	1218 / 1244 211 / 219	1233 / 1146 274 / 239	1241 / 1046 335 / 254	1237 / 942 389 / 262	400 CFM/ton	CFM Watts	1380 214	1403 289	1414 360	1409 422	1389 472
	370 CFM/ton	CFM Watts	1269 / 1408 172 / 222	1291 / 1317 240 / 249	1307 / 1223 307 / 270	1311 / 1126 370 / 285	1300 / 1025 423 / 294	420 CFM/ton	CFM Watts	1459 248	1478 327	1481 397	1467 456	1395 476
	390 CFM/ton	CFM Watts	1342 / 1481 200 / 255	1367 / 1393 273 / 282	1380 / 1301 343 / 304	1378 / 1206 405 / 320	1358 / 1108 456 / 329	440 CFM/ton	CFM Watts	1538 287	1550 366	1542 433	1504 478	1388 472
	410 CFM/ton	CFM Watts	1419 / 1555 232 / 291	1442 / 1468 309 / 319	1449 / 1379 380 / 341	1438 / 1286 440 / 357	1394 / 1189 478 / 367	450 CFM/ton	CFM Watts	1575 307	1583 385	1570 450	1501 477	1385 470

NOTES:
1. † Factory Setting
2. Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.
3. Torque mode will reduce airflow when static is above approximately 0.35" water column.
4. All heating modes default to Constant CFM
5. Cooling airflow values are with wet coil, no filter

Minimum Heating Airflow Settings

MINIMUM HEATER AIRFLOW CFM - HEATER MATRIX							
MODEL NO.	BAYEVAC05BK1AA BAYEVAC05LG1AA	BAYEVAC08BK1AA BAYEVAC08LG1AA	BAYEVAC10BK1AA BAYEVAC10LG1AA	BAYEVAC10LG3AA	BAYEVCB15LG3AA	BAYEVBC15BK1AA	BAYEVBC20BK1AA
TAM7A0C36H31SB	876/979	876/1236	927/1236	824/979	927/1288	1030/1339	1236/1442
WITHOUT HEAT PUMP / WITH HP SEE AIR HANDLER NAMEPLATE FOR APPROVED COMBINATIONS							

NOTE: Minimum auxiliary heating airflow is automatically configured by the air handler model and the auxiliary heater model number. This is not field adjustable.

TAM7A0C42 AIRFLOW PERFORMANCE CONSTANT CFM MODE / CONSTANT TORQUE MODE														
OUTDOOR MULTIPLIER (TONS)	COOLING AIRFLOW SETTING	Airflow Power	EXTERNAL STATIC PRESSURE					HEATING AIRFLOW SETTING	Airflow Power	EXTERNAL STATIC PRESSURE				
			0.1	0.3	0.5	0.7	0.9			0.1	0.3	0.5	0.7	0.9
2.5 tons	330 CFM/ton	CFM Watts	853 / 988 68 / 96	832 / 861 108 / 114	820 / 712 149 / 125	815 / 523 191 / 128	813 / 208 232 / 143	360 CFM/ton	CFM Watts	912 82	897 125	893 170	895 217	901 264
	350 CFM/ton	CFM Watts	896 / 1030 76 / 107	880 / 909 119 / 126	870 / 768 162 / 137	867 / 597 162 / 141	866 / 353 250 / 144	380 CFM/ton	CFM Watts	956 92	945 137	943 185	946 234	951 283
	370 CFM/ton	CFM Watts	939 / 1072 85 / 118	926 / 956 130 / 139	920 / 823 176 / 151	918 / 665 222 / 155	918 / 458 268 / 155	400 CFM/ton	CFM Watts	1000 102	992 151	992 201	997 253	1002 304
	390 CFM/ton	CFM Watts	983 / 1115 95 / 131	973 / 1003 143 / 152	969 / 877 191 / 165	968 / 729 240 / 170	969 / 546 288 / 169	420 CFM/ton	CFM Watts	1044 114	1040 166	1042 219	1047 273	1052 325
3 tons	330 CFM/ton	CFM Watts	996 / 1128 99 / 135	987 / 1017 147 / 156	984 / 892 196 / 170	984 / 748 246 / 175	983 / 570 294 / 174	360 CFM/ton	CFM Watts	1071 122	1069 175	1072 230	1078 285	1082 339
	350 CFM/ton	CFM Watts	1049 / 1180 112 / 152	1043 / 1074 164 / 174	1044 / 956 217 / 189	1045 / 821 269 / 196	1045 / 662 320 / 194	380 CFM/ton	CFM Watts	1126 138	1127 195	1132 254	1139 312	1142 368
	370 CFM/ton	CFM Watts	1101 / 1233 127 / 171	1100 / 1132 183 / 195	1103 / 1019 239 / 210	1106 / 893 294 / 218	1107 / 747 348 / 217	400 CFM/ton	CFM Watts	1181 157	1186 218	1193 280	1200 341	1201 399
	390 CFM/ton	CFM Watts	1156 / 1288 144 / 192	1159 / 1190 203 / 217	1164 / 1083 264 / 234	1167 / 964 322 / 242	1168 / 828 379 / 242	420 CFM/ton	CFM Watts	1239 177	1247 243	1256 309	1261 373	1259 432
3.5 tons †	330 CFM/ton	CFM Watts	1142 / 1274 140 / 187	1143 / 1175 198 / 211	1148 / 1067 257 / 228	1152 / 946 315 / 236	1152 / 808 370 / 236	360 CFM/ton	CFM Watts	1239 177	1247 243	1256 309	1261 373	1259 432
	350 CFM/ton	CFM Watts	1208 / 1340 162 / 214	1212 / 1245 224 / 239	1220 / 1142 288 / 257	1224 / 1028 350 / 267	1222 / 901 407 / 268	380 CFM/ton	CFM Watts	1308 205	1319 276	1329 346	1331 412	1323 470
	370 † CFM/ton	CFM Watts	1274 / 1408 187 / 245	1283 / 1317 254 / 272	1293 / 1218 323 / 291	1295 / 1110 387 / 301	1289 / 991 445 / 303	400 CFM/ton	CFM Watts	1381 237	1394 313	1401 386	1398 452	1332 475
	390 CFM/ton	CFM Watts	1344 / 1479 215 / 280	1357 / 1390 289 / 308	1366 / 1295 361 / 328	1364 / 1192 427 / 340	1345 / 1080 479 / 343	420 CFM/ton	CFM Watts	1456 275	1468 355	1471 429	1443 481	1323 470
4 tons	330 CFM/ton	CFM Watts	1299 / 1457 196 / 268	1309 / 1368 266 / 296	1318 / 1272 336 / 316	1321 / 1167 401 / 327	1313 / 1053 459 / 330	360 CFM/ton	CFM Watts	1423 258	1436 337	1441 410	1434 475	1326 472
	350 CFM/ton	CFM Watts	1380 / 1538 232 / 312	1394 / 1542 307 / 340	1401 / 1360 381 / 361	1398 / 1260 447 / 374	1339 / 1153 477 / 378	380 CFM/ton	CFM Watts	1511 304	1520 386	1517 459	1436 477	1317 466
	370 CFM/ton	CFM Watts	1466 / 1618 273 / 359	1479 / 1534 354 / 389	1481 / 1445 428 / 411	1451 / 1350 482 / 425	1327 / 1248 470 / 429	400 CFM/ton	CFM Watts	1598 356	1599 437	1536 472	1426 470	1308 461
	390 CFM/ton	CFM Watts	1553 / 1693 320 / 409	1561 / 1611 403 / 439	1544 / 1525 470 / 462	1438 / 1432 475 / 476	1315 / 1333 465 / 481	420 CFM/ton	CFM Watts	1679 409	1620 451	1534 471	1417 464	1301 456

NOTES:
1. † Factory Setting
2. Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.
3. Torque mode will reduce airflow when static is above approximately 0.35" water column.
4. All heating modes default to Constant CFM
5. Cooling airflow values are with wet coil, no filter

Minimum Heating Airflow Settings

MINIMUM HEATER AIRFLOW CFM - HEATER MATRIX							
MODEL NO.	BAYEVAC05BK1AA BAYEVAC05LG1AA	BAYEVAC08BK1AA BAYEVAC08LG1AA	BAYEVAC10BK1AA BAYEVAC10LG1AA	BAYEVAC10LG3AA	BAYEVCB15LG3AA	BAYEVBC15BK1AA	BAYEVBC20BK1AA
TAM7A0C42H31SB	978/1093	978/1380	1035/1380	920/1093	1035/1438	1150/1495	1380/1610
WITHOUT HEAT PUMP / WITH HP SEE AIR HANDLER NAMEPLATE FOR APPROVED COMBINATIONS							

NOTE: Minimum auxiliary heating airflow is automatically configured by the air handler model and the auxiliary heater model number. This is not field adjustable.

TAM7A0C48 AIRFLOW PERFORMANCE CONSTANT CFM MODE / CONSTANT TORQUE MODE														
OUTDOOR MULTIPLIER (TONS)	COOLING AIRFLOW SETTING	Airflow Power	EXTERNAL STATIC PRESSURE					HEATING AIRFLOW SETTING	Airflow Power	EXTERNAL STATIC PRESSURE				
			0.1	0.3	0.5	0.7	0.9			0.1	0.3	0.5	0.7	0.9
3 tons	330 CFM/ton	CFM Watts	1101 / 1127 92 / 117	1017 / 1020 143 / 143	1015 / 907 190 / 163	1006 / 786 232 / 173	994 / 654 270 / 174	380 CFM/ton	CFM Watts	1150 128	1155 184	1154 237	1150 286	1141 330
	350 CFM/ton	CFM Watts	1067 / 1180 106 / 132	1073 / 1078 158 / 160	1072 / 972 208 / 180	1065 / 859 252 / 192	1053 / 738 292 / 194	400 CFM/ton	CFM Watts	1204 145	1210 203	1210 259	1207 310	1199 356
	370 CFM/ton	CFM Watts	1122 / 1233 120 / 149	1129 / 1136 175 / 177	1128 / 1035 227 / 199	1122 / 929 274 / 212	1112 / 816 315 / 215	420 CFM/ton	CFM Watts	1259 162	1266 224	1267 282	1264 335	1258 384
	390 CFM/ton	CFM Watts	1177 / 1287 136 / 167	1185 / 1194 194 / 196	1185 / 1097 248 / 219	1180 / 996 297 / 233	1170 / 890 341 / 238	440 CFM/ton	CFM Watts	1314 182	1322 246	1324 307	1322 363	1316 413
3.5 tons	330 CFM/ton	CFM Watts	1164 / 1274 132 / 162	1171 / 1179 189 / 191	1171 / 1082 242 / 214	1165 / 980 291 / 227	1156 / 872 334 / 232	380 CFM/ton	CFM Watts	1323 185	1331 250	1333 250	1331 368	1325 418
	350 CFM/ton	CFM Watts	1228 / 1336 152 / 185	1235 / 1246 212 / 215	1236 / 1153 268 / 238	1232 / 1056 319 / 253	1224 / 955 365 / 259	400 CFM/ton	CFM Watts	1388 211	1398 279	1400 343	1399 403	1395 457
	370 CFM/ton	CFM Watts	1292 / 1400 174 / 210	1300 / 1313 237 / 241	1302 / 1224 296 / 265	1299 / 1132 350 / 281	1292 / 1036 399 / 288	420 CFM/ton	CFM Watts	1455 240	1465 312	1468 379	1469 441	1463 497
	390 CFM/ton	CFM Watts	1356 / 1465 198 / 238	1366 / 1381 265 / 270	1369 / 1295 327 / 295	1367 / 1207 384 / 312	1361 / 1115 435 / 320	440 CFM/ton	CFM Watts	1523 272	1534 347	1538 418	1538 483	1534 542
4 tons †	330 CFM/ton	CFM Watts	1315 / 1443 212 / 228	1324 / 1358 247 / 260	1326 / 1271 307 / 284	1323 / 1181 362 / 301	1316 / 1088 412 / 308	380 CFM/ton	CFM Watts	1502 262	1514 337	1518 406	1518 471	1514 529
	350 † CFM/ton	CFM Watts	1389 / 1517 212 / 262	1399 / 1436 280 / 295	1403 / 1352 343 / 321	1401 / 1266 402 / 338	1395 / 1177 455 / 346	400 CFM/ton	CFM Watts	1582 302	1594 382	1598 454	1598 522	1591 581
	370 CFM/ton	CFM Watts	1465 / 1594 245 / 301	1476 / 1516 317 / 335	1481 / 1435 384 / 361	1480 / 1352 446 / 379	1475 / 1267 502 / 388	420 CFM/ton	CFM Watts	1664 348	1675 421	1680 508	1678 577	1669 638
	390 CFM/ton	CFM Watts	1543 / 1673 283 / 346	1555 / 1597 359 / 380	1560 / 1519 430 / 406	1560 / 1439 495 / 425	1554 / 1356 553 / 434	440 CFM/ton	CFM Watts	1748 400	1758 486	1760 565	1755 634	1708 668
4.5 tons **	330 CFM/ton	CFM Watts	1470 / 1599 247 / 304	1481 / 1521 319 / 337	1486 / 1440 387 / 364	1485 / 1357 449 / 382	1480 / 1272 505 / 391	380 CFM/ton	CFM Watts	1695 367	1706 451	1710 528	1707 598	1697 659
	350 CFM/ton	CFM Watts	1558 / 1688 290 / 354	1570 / 1613 367 / 389	1575 / 1535 439 / 415	1575 / 1455 505 / 434	1568 / 1373 563 / 444	400 CFM/ton	CFM Watts	1790 428	1799 515	1799 594	1792 664	1700 661
	370 CFM/ton	CFM Watts	1649 / 1780 340 / 412	1661 / 1707 422 / 447	1666 / 1632 497 / 474	1664 / 1554 565 / 493	1655 / 1475 625 / 503	420 CFM/ton	CFM Watts	1885 496	1889 584	1884 662	1783 656	1683 648
	390 CFM/ton	CFM Watts	1742 / 1873 397 / 477	1754 / 1801 483 / 512	1756 / 1728 561 / 539	1751 / 1653 630 / 558	1708 / 1576 666 / 567	440 CFM/ton	CFM Watts	1976 568	1973 655	1871 652	1765 643	1667 636

NOTES:
1. † Factory Setting
2. Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.
3. Torque mode will reduce airflow when static is above approximately 0.4" water column.
4. All heating modes default to Constant CFM
5. Cooling airflow values are with wet coil, no filter
6. ** Not an actual OD size.

Minimum Heating Airflow Settings

MINIMUM HEATER AIRFLOW CFM - HEATER MATRIX								
MODEL NO.	BAYEVAC05BK1AA BAYEVAC05LG1AA	BAYEVAC08BK1AA BAYEVAC08LG1AA	BAYEVAC10BK1AA BAYEVAC10LG1AA	BAYEVAC10LG3AA	BAYEVCB15LG3AA	BAYEVBC15BK1AA	BAYEVBC20BK1AA	BAYEVCC25BK1AA
TAM7A0C48H41SB	1063/1188	1063/1500	1125/1500	1000/1188	1125/1563	1250/1625	1500/1750	1625/1813
WITHOUT HEAT PUMP / WITH HP SEE AIR HANDLER NAMEPLATE FOR APPROVED COMBINATIONS								

NOTE: Minimum auxiliary heating airflow is automatically configured by the air handler model and the auxiliary heater model number. This is not field adjustable.

TAM7A0C60H51SB, TAM7B0C60H51SA AIRFLOW PERFORMANCE
CONSTANT CFM MODE / CONSTANT TORQUE MODE

OUTDOOR MULTIPLIER (TONS)	COOLING AIRFLOW SETTING	Airflow Power	EXTERNAL STATIC PRESSURE					HEATING AIRFLOW SETTING	Airflow Power	EXTERNAL STATIC PRESSURE				
			0.1	0.3	0.5	0.7	0.9			0.1	0.3	0.5	0.7	0.9
3.5 tons	370 CFM/ton	CFM Watts	1316 / 1404 194 / 201	1328 / 1330 258 / 234	1328 / 1244 314 / 260	1320 / 1146 364 / 276	1308 / 1033 406 / 280	400 CFM/ton	CFM Watts	1404 205	1424 275	1426 337	1419 391	1410 440
	380 CFM/ton	CFM Watts	1349 / 1435 207 / 213	1360 / 1362 272 / 247	1359 / 1278 329 / 273	1352 / 1183 380 / 290	1338 / 1074 422 / 295	410 CFM/ton	CFM Watts	1437 218	1455 289	1457 351	1451 407	1441 456
	390 CFM/ton	CFM Watts	1381 / 1466 220 / 225	1391 / 1394 286 / 260	1390 / 1312 344 / 287	1383 / 1220 396 / 304	1370 / 1115 439 / 310	420 CFM/ton	CFM Watts	1467 230	1487 303	1489 367	1482 423	1474 474
	400 CFM/ton	CFM Watts	1413 / 1496 234 / 238	1422 / 1426 300 / 273	1421 / 1346 360 / 301	1415 / 1256 412 / 319	1402 / 1154 456 / 325	430 CFM/ton	CFM Watts	1500 244	1516 317	1519 382	1515 441	1505 491
4 tons	370 CFM/ton	CFM Watts	1485 / 1583 269 / 278	1493 / 1516 337 / 314	1493 / 1441 398 / 342	1486 / 1357 452 / 362	1475 / 1263 498 / 370	400 CFM/ton	CFM Watts	1586 285	1600 360	1604 428	1601 490	1592 543
	380 CFM/ton	CFM Watts	1521 / 1618 287 / 295	1529 / 1552 356 / 331	1528 / 1479 418 / 360	1522 / 1396 474 / 380	1511 / 1305 520 / 389	410 CFM/ton	CFM Watts	1622 303	1636 379	1640 449	1638 512	1629 566
	390 CFM/ton	CFM Watts	1557 / 1654 306 / 313	1564 / 1589 376 / 350	1564 / 1516 440 / 379	1559 / 1436 496 / 400	1548 / 1347 544 / 409	420 CFM/ton	CFM Watts	1659 322	1672 399	1677 471	1675 535	1667 591
	400 CFM/ton	CFM Watts	1593 / 1689 326 / 332	1600 / 1625 397 / 369	1600 / 1554 462 / 399	1595 / 1475 519 / 420	1585 / 1389 568 / 430	430 CFM/ton	CFM Watts	1695 342	1708 421	1713 493	1712 559	1705 616
4.5 tons**†	370 † CFM/ton	CFM Watts	1652 / 1748 360 / 365	1659 / 1685 433 / 403	1660 / 1616 500 / 433	1655 / 1540 559 / 454	1646 / 1456 610 / 465	400 CFM/ton	CFM Watts	1769 385	1782 467	1789 543	1788 611	1783 671
	380 CFM/ton	CFM Watts	1694 / 1789 386 / 390	1701 / 1727 460 / 427	1701 / 1659 528 / 458	1697 / 1548 589 / 480	1688 / 1503 641 / 491	410 CFM/ton	CFM Watts	1811 411	1826 495	1831 572	1832 643	1827 704
	390 CFM/ton	CFM Watts	1736 / 1831 413 / 416	1742 / 1770 489 / 454	1744 / 1703 558 / 484	1740 / 1629 620 / 506	1732 / 1549 673 / 518	420 CFM/ton	CFM Watts	1854 439	1869 525	1875 604	1877 676	1872 739
	400 CFM/ton	CFM Watts	1778 / 1873 442 / 443	1785 / 1813 519 / 481	1786 / 1747 590 / 512	1783 / 1675 653 / 534	1776 / 1597 707 / 546	430 CFM/ton	CFM Watts	1898 468	1913 556	1919 637	1921 711	1918 777
5 tons	370 CFM/ton	CFM Watts	1826 / 1921 475 / 476	1833 / 1862 555 / 515	1835 / 1797 627 / 545	1832 / 1726 692 / 568	1826 / 1650 748 / 580	400 CFM/ton	CFM Watts	1963 515	1978 606	1985 689	1988 766	1985 833
	380 CFM/ton	CFM Watts	1875 / 1971 512 / 512	1882 / 1912 593 / 550	1884 / 1848 667 / 581	1882 / 1778 733 / 603	1876 / 1703 791 / 616	410 CFM/ton	CFM Watts	2014 554	2029 647	2037 733	2040 811	2038 880
	390 CFM/ton	CFM Watts	1924 / 2021 551 / 550	1932 / 1963 634 / 588	1935 / 1900 710 / 619	1933 / 1832 777 / 641	1927 / 1758 836 / 654	420 CFM/ton	CFM Watts	2066 595	2082 691	2090 779	2093 859	2090 928
	400 CFM/ton	CFM Watts	1975 / 2073 593 / 590	1983 / 2015 678 / 629	1986 / 1953 755 / 660	1985 / 1886 824 / 682	1979 / 1814 884 / 695	430 CFM/ton	CFM Watts	2120 640	2136 738	2143 828	2147 909	2143 980

NOTES:
1. † Factory Setting
2. Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.
3. Torque mode will reduce airflow when static is above approximately 0.4" water column.
4. All heating modes default to Constant CFM
5. Cooling airflow values are with wet coil, no filter
6. ** Not an actual OD size.

Minimum Heating Airflow Settings

MINIMUM HEATER AIRFLOW CFM - HEATER MATRIX

MODEL NO.	BAYEVAC05BK1AA BAYEVAC05LG1AA	BAYEVAC08BK1AA BAYEVAC08LG1AA	BAYEVAC10BK1AA BAYEVAC10LG1AA	BAYEVAC10LG3AA	BAYEVCB15LG3AA	BAYEVBC15BK1AA	BAYEVBC20BK1AA	BAYEVCC25BK1AA
TAM7B0C60H51SA TAM7A0C60H51SB	1063/1188	1063/1500	1125/1500	1000/1188	1125/1563	1250/1625	1500/1750	1625 ① /1813

WITHOUT HEAT PUMP / WITH HP
SEE AIR HANDLER NAMEPLATE FOR APPROVED COMBINATIONS
① Heater not qualified for 208V when installed in horizontal left position without Heat Pump

NOTE: Minimum auxiliary heating airflow is automatically configured by the air handler model and the auxiliary heater model number. This is not field adjustable.

Electrical Data

Heater Attribute Data											
TAM7A0A24H21SB											
Heater Model No.	No. of Circuits	240 Volt					208 Volt				
		Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection	Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection
		kW	BTUH				kW	BTUH			
No Heater	0	-	-	3.0**	4	15	-	-	3.0**	4	15
BAYEVAC05++1	1	4.80	16400	20.0	29	30	3.60	12300	17.3	25	25
BAYEVAC08++1	1	7.68	26200	32.0	44	45	5.76	19700	27.7	38	40
BAYEVAC10++1 ①	1	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
BAYEVAC10LG3	1-3 PH	9.60	32800	23.1	32	35	7.20	24600	20.0	28	30

Note: ** Motor Amps
① Heater not qualified for 208V when installed in horizontal left position without Heat Pump.

Heater Attribute Data											
TAM7A0B30H21SB											
Heater Model No.	No. of Circuits	240 Volt					208 Volt				
		Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection	Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection
		kW	BTUH				kW	BTUH			
No Heater	0	-	-	3.0**	4	15	-	-	3.0**	4	15
BAYEVAC05++1	1	4.80	16400	20.0	29	30	3.60	12300	17.3	25	25
BAYEVAC08++1	1	7.68	26200	32.0	44	45	5.76	19700	27.7	38	40
BAYEVAC10++1	1	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
BAYEVAC10LG3	1-3 PH	9.60	32800	23.1	32	35	7.20	24600	20.0	28	30
BAYEVBC15LG3	1-3 PH	14.40	42000	34.6	47	50	10.80	36900	30.0	41	45
BAYEVBC15BK1 - Circuit 1 ①	2	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
BAYEVBC15BK1 - Circuit 2		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25

Note: ** Motor Amps
① MCA and MOP for circuit 1 contains the motor amps

Notes:
1. See Air Handler nameplate for approved combinations of Air Handlers and Heaters
2. Heater model numbers may have additional suffix digits.

Electrical Data

Heater Attribute Data											
TAM7A0C36H31SB											
Heater Model No.	No. of Circuits	240 Volt					208 Volt				
		Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection	Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection
		kW	BTUH				kW	BTUH			
No Heater	0	-	-	3.0**	4	15	-	-	3.0**	4	15
BAYEVAC05++1	1	4.80	16400	20.0	29	30	3.60	12300	17.3	25	25
BAYEVAC08++1	1	7.68	26200	32.0	44	45	5.76	19700	27.7	38	40
BAYEVAC10++1	1	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
BAYEVAC10LG3	1-3 PH	9.60	32800	23.1	32	35	7.20	24600	20.0	28	30
BAYEVBC15LG3	1-3 PH	14.40	42000	34.6	47	50	10.80	36900	30.0	41	45
BAYEVBC15BK1 - Circuit 1 ①	2	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
BAYEVBC15BK1 - Circuit 2		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEVBC20BK1 - Circuit 1 ①	2	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
BAYEVBC20BK1 - Circuit 2		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45

Note: ** Motor Amps
① MCA and MOP for circuit 1 contains the motor amps

Heater Attribute Data											
TAM7A0C42H31SB											
Heater Model No.	No. of Circuits	240 Volt					208 Volt				
		Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection	Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection
		kW	BTUH				kW	BTUH			
No Heater	0	-	-	3.0**	4	15	-	-	3.0**	4	15
BAYEVAC05++1	1	4.80	16400	20.0	29	30	3.60	12300	17.3	25	25
BAYEVAC08++1	1	7.68	26200	32.0	44	45	5.76	19700	27.7	38	40
BAYEVAC10++1	1	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
BAYEVAC10LG3	1-3 PH	9.60	32800	23.1	32	35	7.20	24600	20.0	28	30
BAYEVBC15LG3	1-3 PH	14.40	42000	34.6	47	50	10.80	36900	30.0	41	45
BAYEVBC15BK1 - Circuit 1 ①	2	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
BAYEVBC15BK1 - Circuit 2		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEVBC20BK1 - Circuit 1 ①	2	9.60	32800	40.0	54	60	7.20	24600	34.6	47	50
BAYEVBC20BK1 - Circuit 2		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45

Note: ** Motor Amps
① MCA and MOP for circuit 1 contains the motor amps

Notes:
1. See Air Handler nameplate for approved combinations of Air Handlers and Heaters
2. Heater model numbers may have additional suffix digits.

Electrical Data

Heater Attribute Data											
TAM7A0C48H41SB											
Heater Model No.	No. of Circuits	240 Volt					208 Volt				
		Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection	Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection
		kW	BTUH				kW	BTUH			
No Heater	0	-	-	4.2**	5	15	-	-	4.2**	5	15
BAYEVAC05++1	1	4.80	16400	20.0	30	30	3.60	12300	17.3	27	30
BAYEVAC08++1	1	7.68	26200	32.0	45	45	5.76	19700	27.7	40	40
BAYEVAC10++1	1	9.60	32800	40.0	55	60	7.20	24600	34.6	49	50
BAYEVAC10LG3	1-3 PH	9.60	32800	23.1	34	35	7.20	24600	20.0	30	30
BAYEVBC15LG3	1-3 PH	14.40	42000	34.6	48	50	10.80	36900	30.0	42	45
BAYEVBC15BK1 - Circuit 1 ①	2	9.60	32800	40.0	55	60	7.20	24600	34.6	49	50
BAYEVBC15BK1 - Circuit 2		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEVBC20BK1 - Circuit 1 ①	2	9.60	32800	40.0	55	60	7.20	24600	34.6	49	50
BAYEVBC20BK1 - Circuit 2		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
BAYEVCC25BK1 - Circuit 1 ①	3	9.60	32800	40.0	55	60	7.20	24600	34.6	49	50
BAYEVCC25BK1 - Circuit 2		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
BAYEVCC25BK1 - Circuit 3		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
Note: ** Motor Amps ① MCA and MOP for circuit 1 contains the motor amps											

Notes:

1. See Air Handler nameplate for approved combinations of Air Handlers and Heaters
2. Heater model numbers may have additional suffix digits.

Electrical Data

Heater Attribute Data											
TAM7A0C60H51SB, TAM7B0C60H51SA											
Heater Model No.	No. of Circuits	240 Volt					208 Volt				
		Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection	Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection
		kW	BTUH				kW	BTUH			
No Heater	0	-	-	5.5**	7	15	-	-	5.5**	7	15
BAYEVAC05++1	1	4.80	16400	20.0	30	30	3.60	12300	17.3	27	30
BAYEVAC08++1	1	7.68	26200	32.0	45	45	5.76	19700	27.7	40	40
BAYEVAC10++1	1	9.60	32800	40.0	55	60	7.20	24600	34.6	49	50
BAYEVAC10LG3	1-3 PH	9.60	32800	23.1	34	35	7.20	24600	20.0	30	30
BAYEVBC15LG3	1-3 PH	14.40	42000	34.6	48	50	10.80	36900	30.0	42	45
BAYEVBC15BK1 - Circuit 1 ①	2	9.60	32800	40.0	55	60	7.20	24600	34.6	49	50
BAYEVBC15BK1 - Circuit 2		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEVBC20BK1 - Circuit 1 ①	2	9.60	32800	40.0	55	60	7.20	24600	34.6	49	50
BAYEVBC20BK1 - Circuit 2		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
BAYEVCC25BK1 ② - Circuit 1 ①	3	9.60	32800	40.0	55	60	7.20	24600	34.6	49	50
BAYEVCC25BK1 - Circuit 2		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
BAYEVCC25BK1 - Circuit 3		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25

Note: ** Motor Amps
① MCA and MOP for circuit 1 contains the motor amps
② Heater not qualified for 208V when installed in horizontal left position without Heat Pump.

Notes:
1. See Air Handler nameplate for approved combinations of Air Handlers and Heaters
2. Heater model numbers may have additional suffix digits.

Electrical Data

AIR HANDLER ELECTRIC HEATER PRESSURE DROP

Air handler electric heater pressure drop is negligible for the heaters and is included in the airflow data for the Series 7 air handlers.

TRANE®

Electrical Data

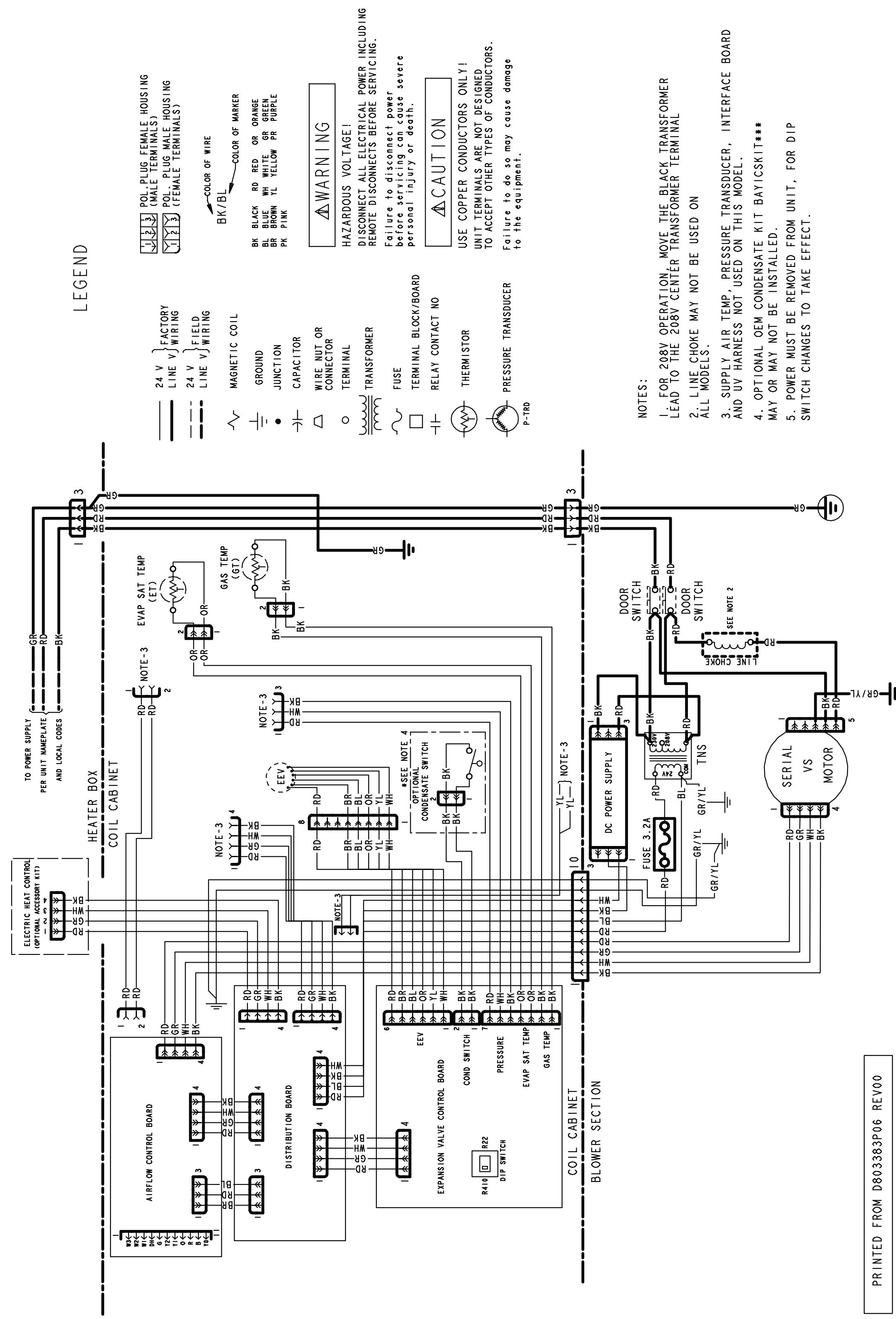
TAM7 AIR HANDLER AND HEATER MATRIX - ALLOWBLE COMBINATIONS

APPROVED AIR HANDLER - HEATER COMBINATIONS									
AIR HANDLER	HEATER MODEL NUMBER BAYEV-								
MODEL NUMBER	AC05BK1AA 4.80 Kw BK	AC05LG1AA 4.80 Kw LG	AC08BK1AA 7.68 Kw BK	AC08LG1AA 7.68 Kw LG	AC10BK1AA 9.60 Kw BK	AC10LG1AA 9.60 Kw LG	BC15BK1AA 14.40 Kw BK	BC20BK1AA 19.20 Kw BK	CC25BK1AA 24.00 Kw BK
TAM7A0A24H21SB	Y	Y	Y	Y	Y ①	Y ①	-	-	-
TAM7A0B30H21SB	Y	Y	Y	Y	Y	Y	Y	-	-
TAM7A0C36H31SB	Y	Y	Y	Y	Y	Y	Y	-	-
TAM7A0C42H31SB	Y	Y	Y	Y	Y	Y	Y	Y	-
TAM7A0C48H41SB	Y	Y	Y	Y	Y	Y	Y	Y	Y
TAM7A0C60H51SB TAM7B0C60H51SA	Y	Y	Y	Y	Y	Y	Y	Y	Y ①

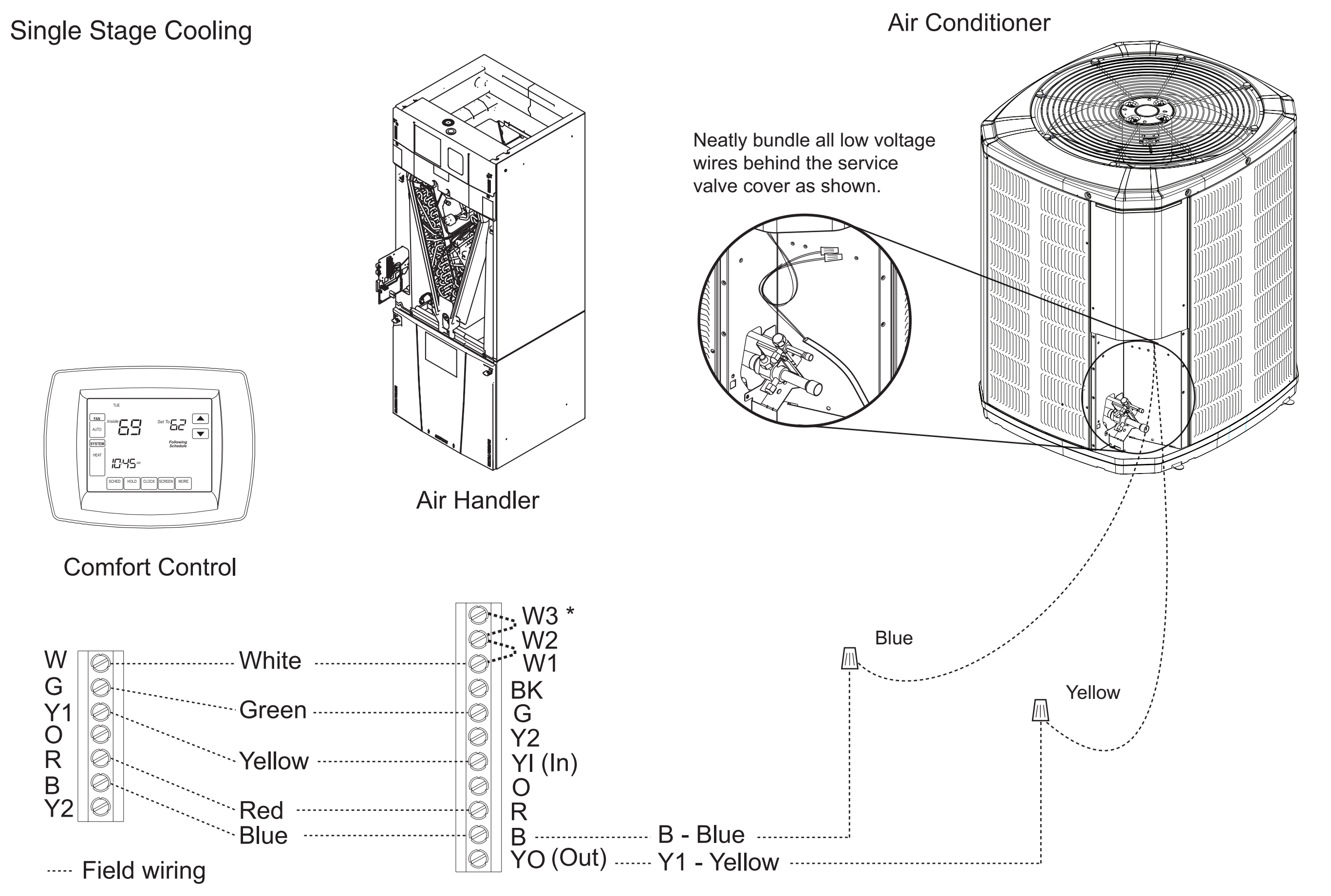
① Heater is not qualified for 208V when installed in horizontal left position without HP.

APPROVED AIR HANDLER - HEATER COMBINATIONS		
AIR HANDLER	HEATER MODEL NUMBER BAYEV-	
MODEL NUMBER	AC10LG3AA 9.60 Kw LG	BC15LG3AA 14.4 Kw LG
TAM7A0A24H21SB	Y	-
TAM7A0B30H21SB	Y	Y
TAM7A0C36H31SB	Y	Y
TAM7A0C42H31SB	Y	Y
TAM7A0C48H41SB	Y	Y
TAM7A0C60H51SB TAM7B060CH51SA	Y	Y

WIRING DIAGRAM FOR TAM7 AIR HANDLERS

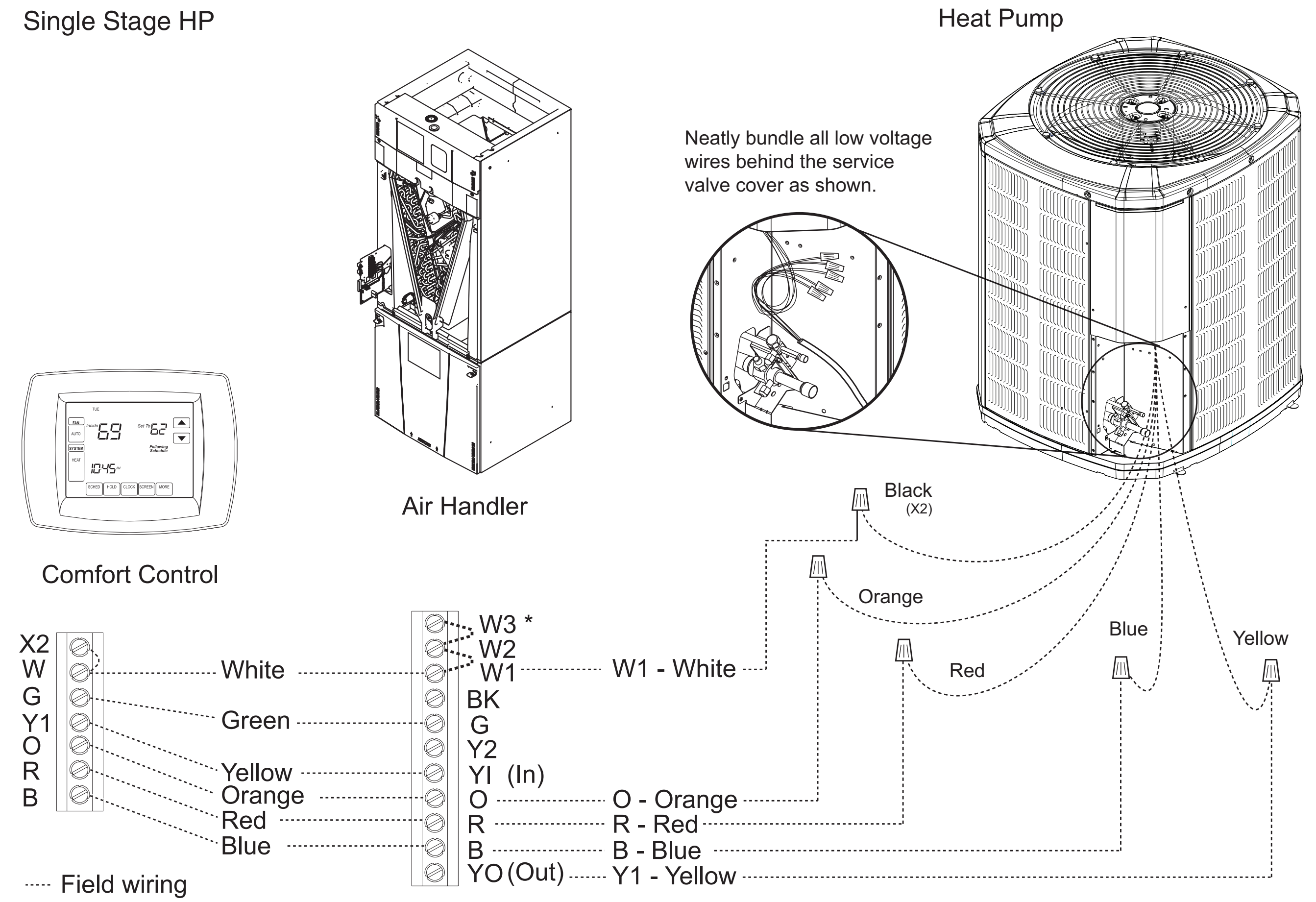


Field Wiring



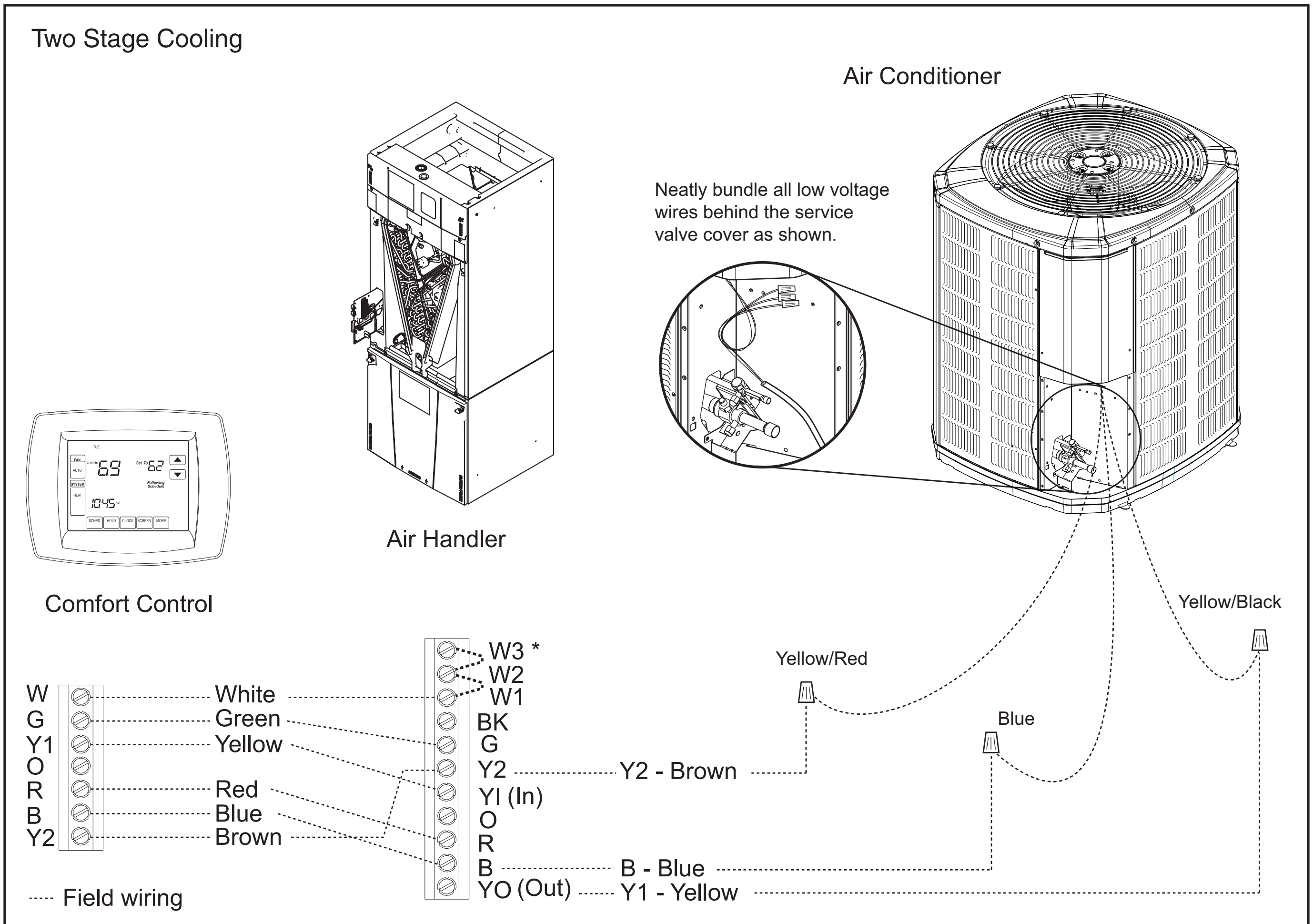
- * For multiple stages of electric heat, jumper W1, W2, and W3 together if comfort control has only one stage of heat.
- YI and YO connections must be made as shown for freeze protection and internally mounted condensate overflow circuits to work properly.
- Internally mounted condensate switch is optional and must be ordered separately.
- If 3rd party condensate overflow switches are installed, they should be wired in series between YO and Y to the outdoor unit.

Field Wiring



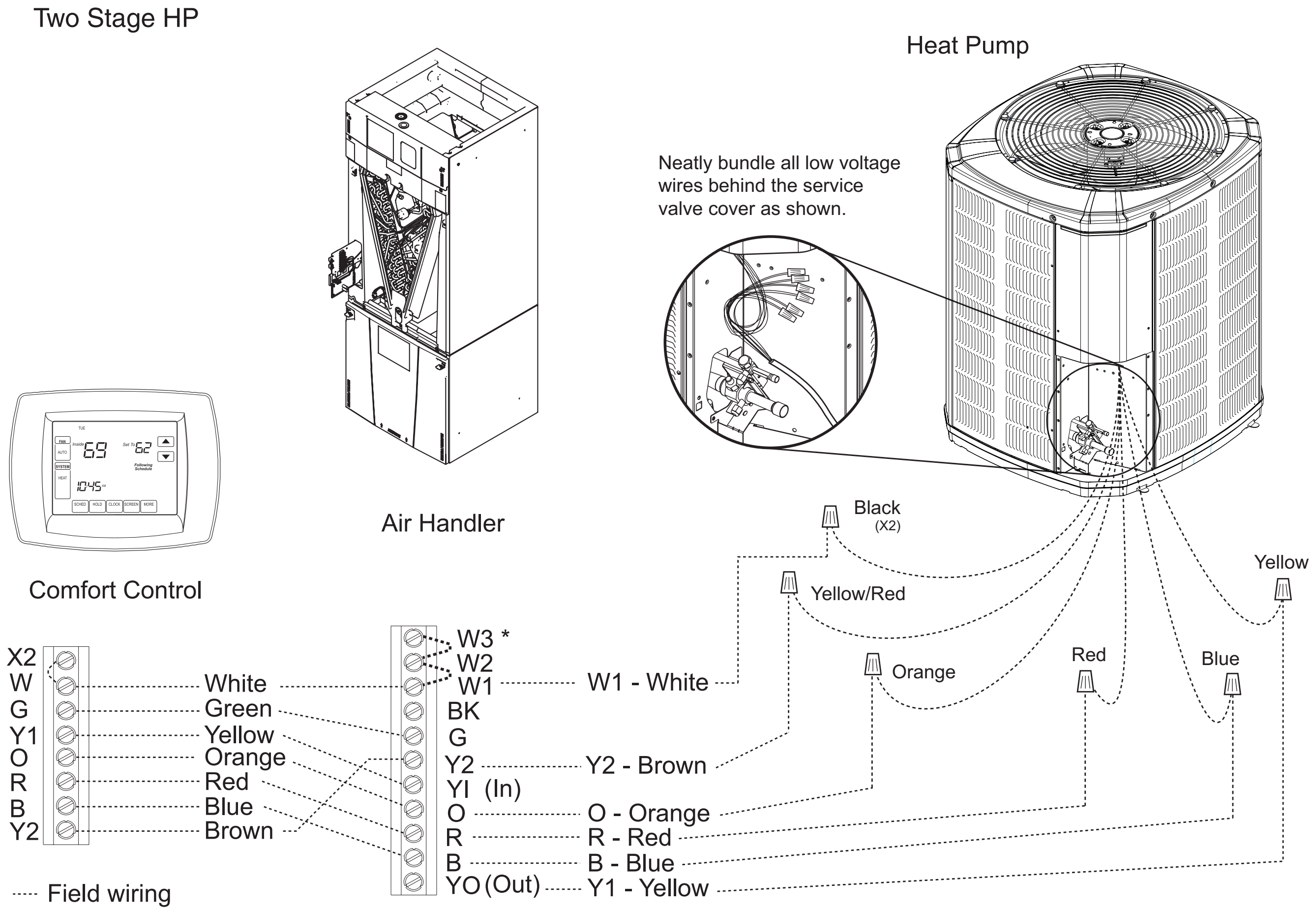
- * For multiple stages of electric heat, jumper W1, W2, and W3 together if comfort control has only one stage of heat
- YI and YO connections must be made as shown for freeze protection and internally mounted condensate overflow circuits to work properly
- Internally mounted condensate switch is optional and must be ordered separately
- If a 3rd party condensate overflow switch is installed, it should be wired in series between YO and Y to the outdoor unit

Field Wiring



- * For multiple stages of electric heat, jumper W1, W2, and W3 together if comfort control has only one stage of heat.
- YI and YO connections must be made as shown for freeze protection and internally mounted condensate overflow circuits to work properly.
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Field Wiring



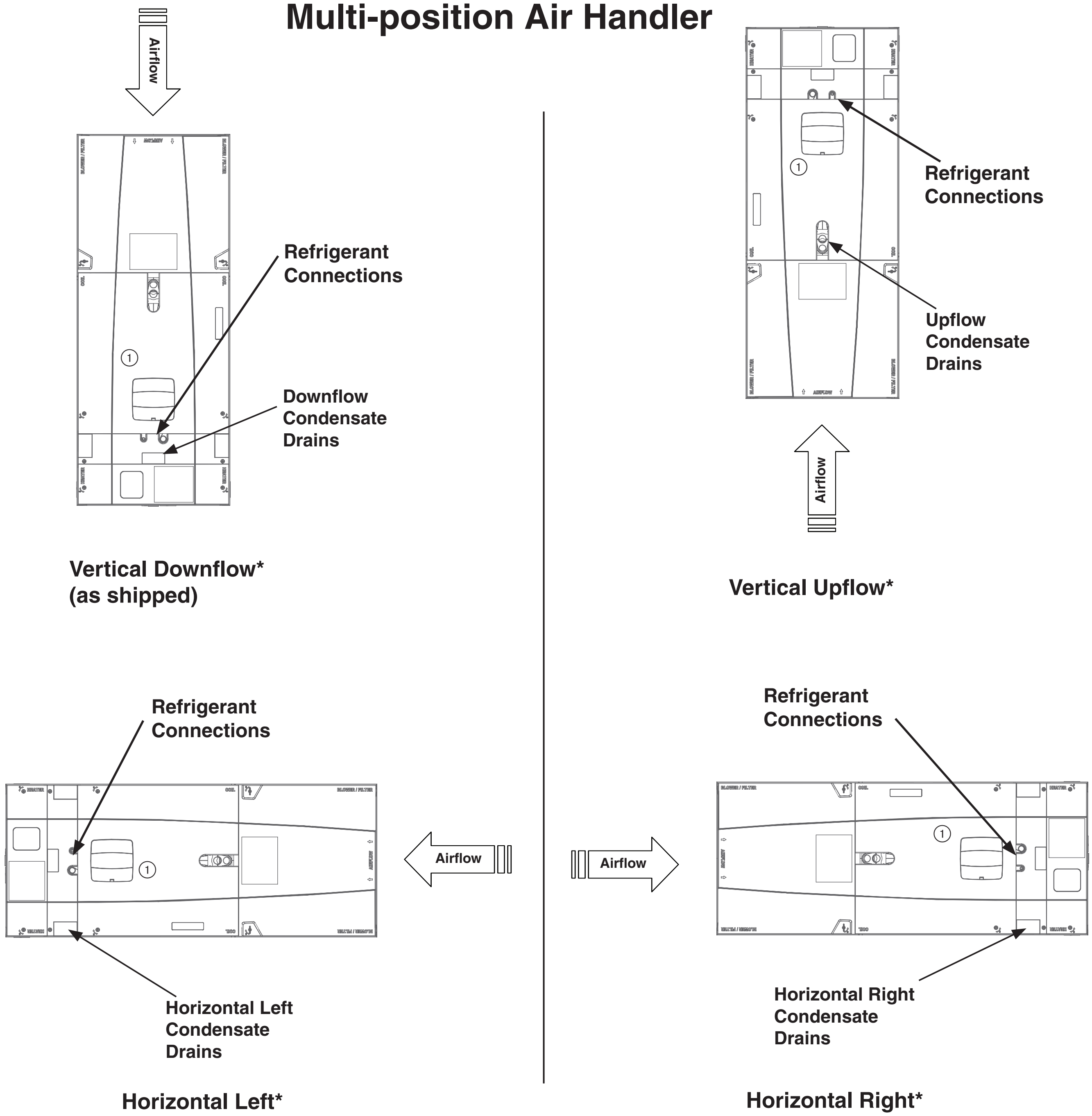
- * For multiple stages of electric heat, jumper W1, W2, and W3 together if comfort control has only one stage of heat
- YI and YO connections must be made as shown for freeze protection and internally mounted condensate overflow circuits to work properly
- Internally mounted condensate switch is optional and must be ordered separately
- If a 3rd party condensate overflow switch is installed, it should be wired in series between YO and Y to the outdoor unit

TRANE

TAM7 Convertibility

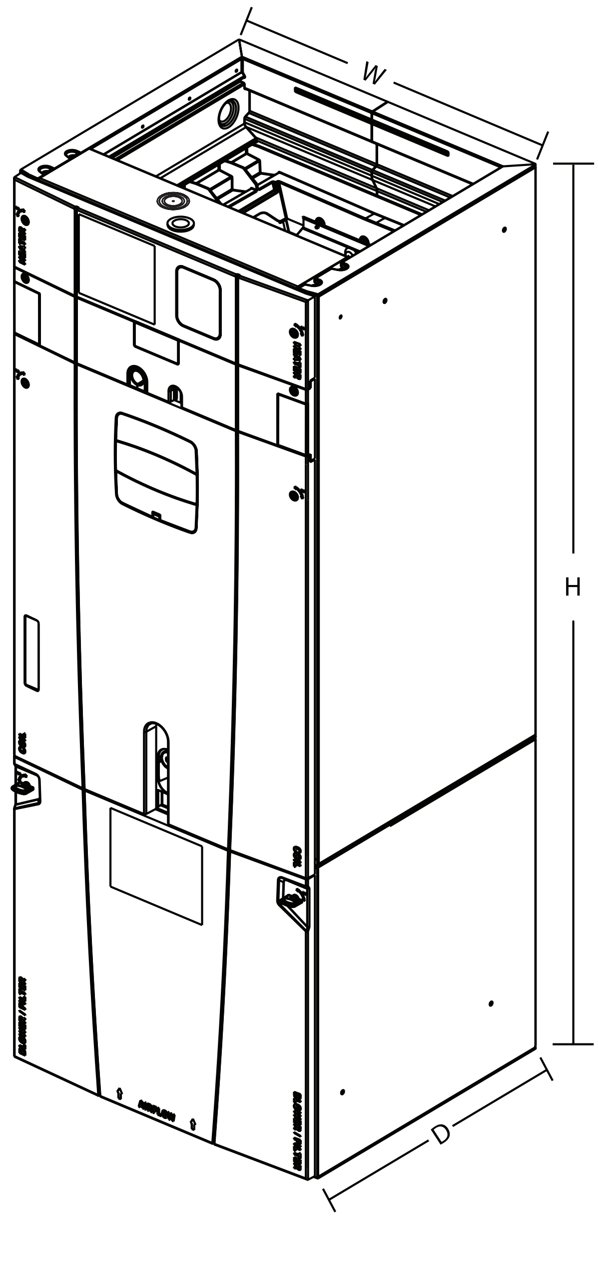
*** Note: No internal modifications required for any position.**
① Badge rotation will keep brand in correct position

Multi-position Air Handler



Dimensions

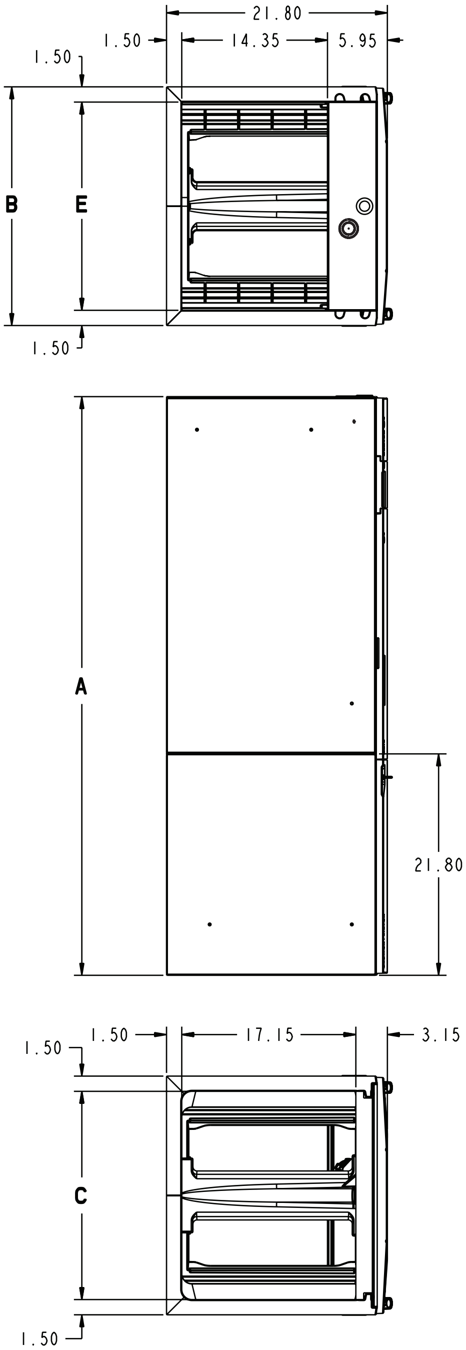
TAM7 AIR HANDLER DIMENSIONAL DATA

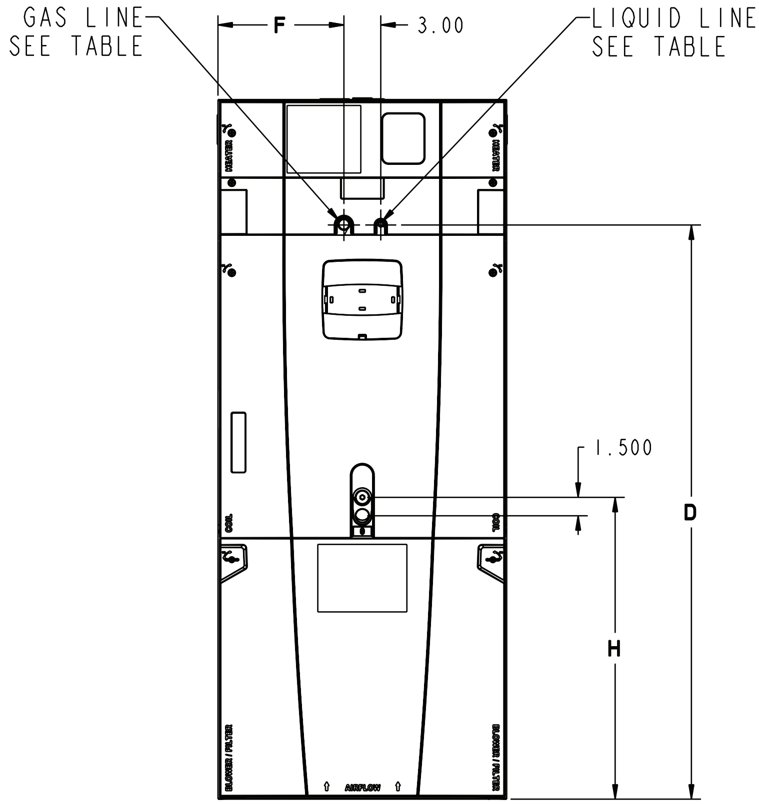


Model No.	H	W	D
TAM7A0A24H21SB	49.9	17.5	21.75
TAM7A0B30H21SB	55.7	21.3	21.75
TAM7A0C36H31SB	56.9	23.5	21.75
TAM7A0C42H31SB	56.9	23.5	21.75
TAM7A0C48H41SB	61.7	23.5	21.75
TAM7A0C60H51SB TAM7B0C60H51SA	61.7	23.5	21.75

TAM7 AIR HANDLERS ARE ALL TWO PIECE CABINETS.

TAM7 OUTLINE DRAWING





MINIMUM UNIT CLEARANCE TABLE		
	TO COMBUSTIBLE MATERIAL (REQUIRED)	SERVICE CLEARANCE (RECOMMENDED)
SIDES	0"	2"
FRONT	0"	21"
BACK	0"	0"
INLET DUCT	0"	
OUTLET DUCT	0"	

MODEL NO.	A	B	C	D	E	F	H	FLOW CONTROL	GAS LINE BRAZE	LIQ LINE BRAZE
TAM7A0A24H21SB	49.9	17.5	14.5	39.6	14.5	7.3	24.4	EEV	3/4	3/8
TAM7A0B30H21SB	55.7	21.3	18.4	45.5	18.4	9.2	24.8	EEV	3/4	3/8
TAM7A0C36H31SB	56.9	23.5	20.5	46.7	20.5	10.3	24.2	EEV	7/8	3/8
TAM7A0C42H31SB	56.9	23.5	20.5	46.7	20.5	10.3	24.5	EEV	7/8	3/8
TAM7A0C48H41SB	61.7	23.5	20.5	51.5	20.5	10.3	24.9	EEV	7/8	3/8
TAM7A0C60H51SB TAM7B0C60H51SA	61.7	23.5	20.5	51.5	20.5	10.3	24.9	EEV	7/8	3/8

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Unitary Small AC
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Certification applies only when the complete system is listed with AHRI.

AHRI CERTIFIED™
www.ahridirectory.org
Unitary Small HP
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

03/12

Trane
6200 Troup Highway
Tyler, TX 75707
www.trane.com

The manufacturer has a policy of continuous product and product data improvement and it reserves the right to change design and specifications without notice.